

1049 - 28th Street SE Grand Rapids, MI 49508

Toll Free: 800/362-LABS March 28, 2011

Fax: 616/248-4904

Bryan Rose Rose & Westra Inc 4328 - 3 Mile Rd, NW Suite 200 Walker, MI 49534

TEL: (616) 791-7100 FAX (616) 791-9263

RE: 0003.02990.0

Dear Bryan Rose:

Order No.: 1103129

BIO-CHEM Laboratories, Inc. received 1 sample on 3/24/2011 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Please note that unless otherwise instructed, residual samples will be held for sixty (60) days from the original report date. At that time, all non-hazardous samples will be disposed of in accordance with federal, state and local regulations and ordinances, and hazardous samples shall be returned to you. Please contact the laboratory within thirty (30) days if other arrangements for sample retention need to be made.

Sincerely,

Cindy Euwema

Cindy Euwema

Office Manager

Bic Chem

Chain of Custody

1049 28th Street SE • Grand Rapids, MI 49508 Ph: (616) 248-4900 • Toll Free: 800-362-LABS

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Item No	Lab I.D.	Client Sample Number	Date Taken	Time Taken		Sample Description (sample type: water, soil, other)			7	-		7	_	\leftarrow	$\langle -$	_			
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Date: 28-Mar-11

CLIENT:

Rose & Westra Inc

Project:

0003.02990.0

Lab Order:

1103129

Work Order Sample Summary

Lab Sample ID Client Sample ID

Matrix

Collection Date

Date Received

1103129-01A FC-SW Aqueous

3/24/2011

3/24/2011

Date: 28-Mar-11

CLIENT:

Rose & Westra Inc

Project:

0003.02990.0

Lab Order:

1103129

CASE NARRATIVE

Samples are routinely analyzed using methods outlined in the following references:

- (SW) Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Ed.
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Specific methods utilized for this project are provided in the analytical report and are identified by the reference document abbreviation () followed by the method number.

All QA/QC and sample analyses met method, laboratory and/or regulatory data quality objectives unless otherwise specified below.

No data qualifications required.

Date: 3/28/2011

ANALYTICAL REPORT

CLIENT:

Rose & Westra Inc

Lab Order:

1103129

Project:

0003.02990.0

Lab Sample ID: 1103129-01A

Project Number: 0003.02990.0

Client Sample ID: FC-SW

Collection Date: 3/24/2011

Matrix: AQUEOUS

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Metal(s) by ICP 1. Chromium	SW6010B	< 10		10	µg/L	1	RHS	3/25/2011
Ammonia Nitrogen 1. Nitrogen, Ammonia (As N)	E350.3	0.89		0.050	mg/L	2	KLM	3/28/2011
Chemical Oxygen Demand 1. Chemical Oxygen Demand	SM5220D	28		5.0	mg/L	1	KLM	3/25/2011
Suspended Solids (Gravimetric) 1. Suspended Solids (Residue, Non-Filterable)	E160.2	34		1.0	mg/L	1	KLM	3/25/2011

PQL - Practical Quantitation Limit Definitions:

DF - Dilution Factor

Qualifiers (Q):

J - Detected below PQL but above MDL: Estimated

S - Spike Recovery Outside Acceptance Limits

B - Analyte detected in associated Method Blank

N - See case narrative for explanation

Lab Order:

1103129

Client:

Rose & Westra Inc

Project:

0003.02990.0

ANALYTICAL DETAIL REPORT

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Sample ID	Client Sample ID	Matrix	Test Name	Date Sampled	TCLP/SPLP Date	Prep Date	QC Batch	Analysis Date	Analytical Batch
Principle of the last									•
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1103129-0	IA FC-SW	Aqueous	Ammonia Nitrogen	3/24/2011		3/28/2011	R68233	3/28/2011	POTENTIAL_110328A
	FC-SW	Aqueous	Chemical Oxygen Demand	3/24/2011			R68224	3/25/2011	SPEC_A_110325B
	FC-SW	Aqueous	Suspended Solids (Gravimetric)	3/24/2011			R68222	3/25/2011	GRAVIMETRIC_110325A
	FC-SW	Aqueous	Total Metal(s) by ICP	3/24/2011		3/24/2011	31712	3/25/2011	MTL_G_ICP_110325A



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Project Number 0003,02990.0 Turn around time 48 Hr Date 3 24/2011 Firm Name Rac A. Westry Project Name 3, Mile STR 260 State Samples Taken From City, State, Zip ME 49534 MI Contact Person
Bryen Rosc Phone 791 7104 Fax 616 791 9763 Number of Containers Sample Description (sample type: water, soil, other) Remarks 온 Lab I.D. Time Client Sample Date Number Taken Taken 1400 X FIJW Water 3/24 2 3 4 8 9 Received by Date Time Laboratory use only Released by Blue Ice _____° 7/24 1410 ☐ Regular Ice □ No Coolant

Date: 28-Mar-11

CLIENT:

Rose & Westra Inc

Project:

0003.02990.0

Lab Order:

1103129

Work Order Sample Summary

Lab Sample ID Client Sample ID

Matrix

Collection Date

Date Received

1103129-01A

FC-SW

Aqueous

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Date: 3/28/2011

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CLIENT:

Rose & Westra Inc

Lab Order:

1103129

Project:

0003.02990.0

Lab Sample ID: 1103129-01A

Project Number: 0003.02990.0

Client Sample ID: FC-SW

Collection Date: 3/24/2011

Matrix: AQUEOUS

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Metal(s) by ICP 1. Chromium	SW6010B	< 10		10	µg/L	1	RHS	3/25/2011
Ammonia Nitrogen 1. Nitrogen, Ammonia (As N)	E350.3	0.89		0.050	mg/L	2	KLM	3/28/2011
Chemical Oxygen Demand 1. Chemical Oxygen Demand	SM5220D	28		5.0	mg/L	1	KLM	3/25/2011
Suspended Solids (Gravimetric) 1. Suspended Solids (Residue, Non-Filterable)	E160.2	34		1.0	mg/L	1	KLM	3/25/2011

PQL - Practical Quantitation Limit Definitions: DF - Dilution Factor

Qualifiers (Q):

J - Detected below PQL but above MDL: Estimated

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Project:

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ANALYTICAL DETAIL REPORT

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1103129-01A	FC-SW	Aqueous	Ammonia Nitrogen	3/24/2011		3/28/2011	R68233	3/28/2011	POTENTIAL_110328A
	FC-SW	Aqueous	Chemical Oxygen Demand	3/24/2011			R68224	3/25/2011	SPEC_A_110325B
	FC-SW	Aqueous	Suspended Solids (Gravimetric)	3/24/2011			R68222	3/25/2011	GRAVIMETRIC_110325A
	FC-SW	Aqueous	Total Metal(s) by ICP	3/24/2011		3/24/2011	31712	3/25/2011	MTL_G_ICP_110325A



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LABORATORIES, INC.		Projec	t Numbe	00	03	,020	190.0					
Firm Name Rose A. Westry	Turn around time 48 Hr		**		-	Date	120	1/20	c ()	Dat	e Due	
Firm Address 3 Mile STR ZCO	Project Name			الم	. ,	7	/	7	7	//	///	
City, State, Zip	State Samples Taken From		Mah.	Soline		//	//		//	//		,
Phone 616 791 7100 Fax 616 791 9263	Contact Person Bryen Rosc	er of iners	PLO.	25	/5				//	//		
온 Lab I.D. Client Sample Date Time Taken	Sample Description (sample type: water, soil, other)	Number of Containers	/		/?	* 765	_	_	_			Remarks
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Date: 28-Mar-11

CLIENT:

Rose & Westra Inc

Project:

0003.02990.0

Lab Order:

1103129

Work Order Sample Summary

Lab Sample ID Client Sample ID

Matrix

Collection Date

Date Received

1103129-01A

FC-SW

Aqueous

3/24/2011

3/24/2011

Date: 28-Mar-11

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Lab Order:

1103129

Project:

0003.02990.0

Lab Sample ID: 1103129-01A

0003.02770.0

Project Number: 0003.02990.0

Client Sample ID: FC-SW

Collection Date: 3/24/2011

Matrix: AQUEOUS

Analyses	Method Ref.	Result	Q	PQL	Units	DF	Analyst	Date
Total Metal(s) by ICP 1. Chromium	SW6010B	< 10		10	µg/L	1	RHS	3/25/2011
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Definitions: PQL - Practical Quantitation Limit
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Sample ID	Client Sample ID	Matrix	Test Name	Date Sampled	TCLP/SPLP Date	Prep Date	QC Batch	Analysis Date	Analytical Batch
	A STATE OF THE STA	State of the last							•
1103129-01A	FC-SW	Aqueous	Ammonia Nitrogen	3/24/2011		3/28/2011	R68233	3/28/2011	POTENTIAL_110328A
0	FC-SW	Aqueous	Chemical Oxygen Demand	3/24/2011			R68224	3/25/2011	SPEC_A_110325B
	FC-SW	Aqueous	Suspended Solids (Gravimetric)	3/24/2011			R68222	3/25/2011	GRAVIMETRIC_110325A
	FC-SW		Total Metal(s) by ICP	3/24/2011		3/24/2011	31712	3/25/2011	MTL_G_ICP_110325A



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Firm Name Rose	Westra	4		ound time 48 Hr						Date 3				Date I			
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Phone 391			9263	Contact	Person Man Rose	Number of Containers	1,6	200		\?\ \?\	63/	/,	/,	/,	//		Remarks
S Lab I.D.	Client Sample Number	Date Taken	Time Taken		Sample Description (sample type: water, soil, other)	Conta	_		Z	<u>}</u> _`	7	_	4	_		Wy files	
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												FRANKLIN	DECC 48087 9.00				

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Lab Order:

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